

Valence-Romans' CNAF “Optimal Fair Matching” Algorithm for Daycare Place Allocation

AI in Education · Good practice · France

Quality score: 33/100

Evidence strength: Cautionary / limited

Summary

During France's 2020 lockdown, when Valence-Romans' human allocation committee could not meet, CNAF researchers ran daycare-place allocation entirely through a “student-optimal fair matching” algorithm, satisfying 400 of 1,014 applications (39%) in the first round.

Key dimensions

Dimension	Score
Evidence of learning impact	0/3
Equity & inclusion	2/3
Transparency, ethics & data protection	2/3
Teacher capability & pedagogy	0/3
Scalability & sustainability	1/3

Evaluated by C-NAPSE

Data sources

[C-NAPSE web research](#) — accessed 2026-08-20

[Caisse nationale des allocations familiales \(CNAF\) — ISAJE research programme, with Valence Romans Agglo](#) — accessed 2026-08-20

[AlgorithmWatch](#) — [In French daycare, algorithms attempt to fight cronyism](#) — accessed 2026-08-20

[La Gazette des Communes](#) — [À Valence-Romans, des places en crèche attribuées par un algorithme](#) — accessed 2026-08-20

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